

DIST

COUNTY

ROUTE

POST MILES  
TOTAL PROJECT

SHEET  
No.

TOTAL  
SHEETS

X

X

X

X

X

X

REGISTERED CIVIL ENGINEER

X

DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER

X

No.

X

Exp.

X

CIVIL

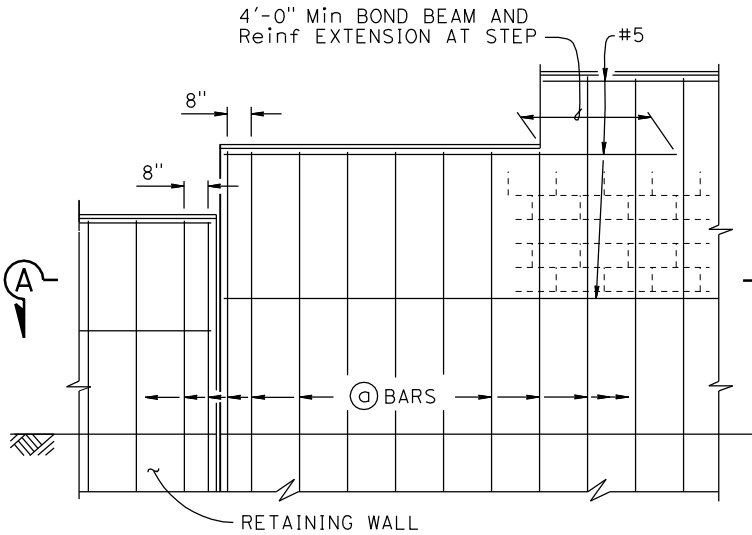
STATE OF CALIFORNIA

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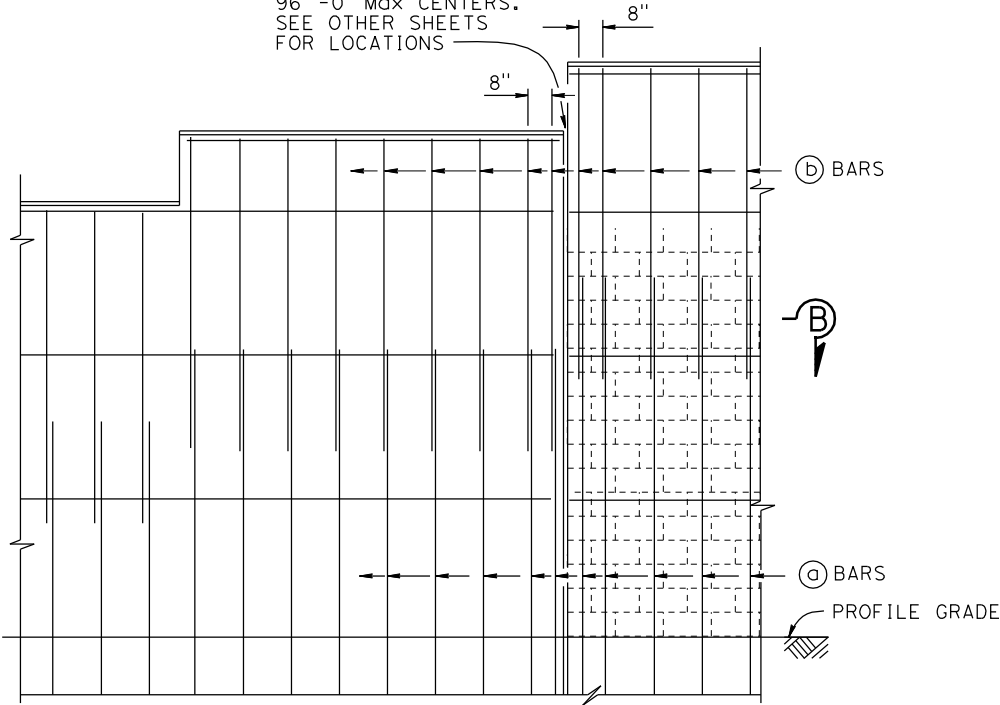
completeness of electronic copies of this plan sheet.

EXPANSION JOINTS AT  
96'-0" Max CENTERS.  
SEE OTHER SHEETS  
FOR LOCATIONS



H=6'-0" THRU H=10'-0"

PART ELEVATION



H=12'-0" THRU H=16'-0"

SOUND WALL REINFORCEMENT TABLE						
MAXIMUM "H"	Ⓐ BARS @ 1'-4" Max	Ⓑ BARS @ 1'-4" Max	"Y"	f'm (psi)	COMPRESSIVE STRENGTH OF CMU (psi)	MAXIMUM "H"
6'-0"	#4	---	---	1500	1900	6'-0"
8'-0"	#4	---	---	1500	1900	8'-0"
10'-0"	#4	---	---	1500	1900	10'-0"
12'-0"	#5	#4	6'-0"	2000	2800	12'-0"
14'-0"	#6	#4	8'-0"	2500	3750	14'-0"
16'-0"	#6	#4	10'-0"	2500	3750	16'-0"

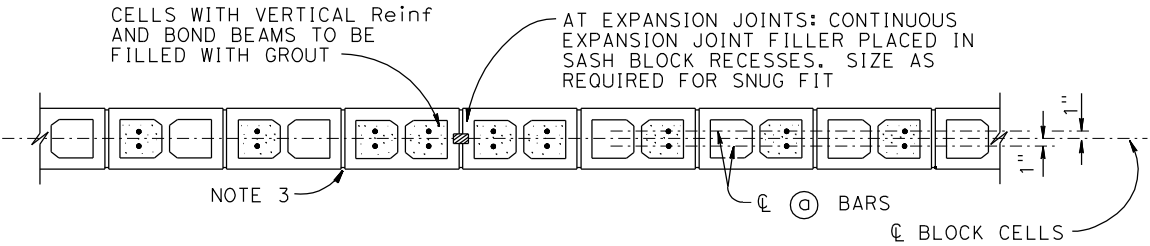
DESIGN NOTES

DESIGN  
Uniform Building Code, 1997 Edition and the Bridge Design Specifications

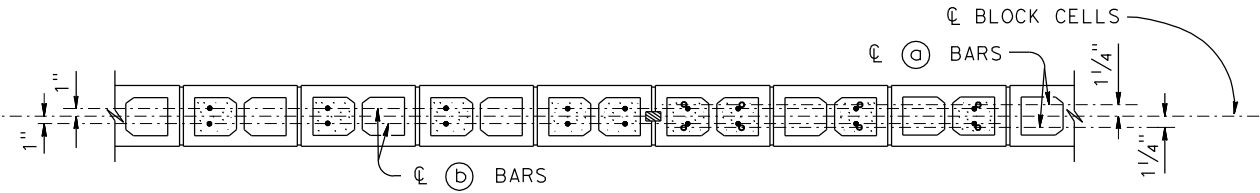
DESIGN WIND LOAD  
33 psf

DESIGN SEISMIC LOAD  
0.57 Dead load

REINFORCED CONCRETE		CONCRETE MASONRY	
f'c = 3600 ksi fy = 60 ksi		REGULAR STRENGTH	HIGH STRENGTH
		f'm = 1500 psi fb = 495 psi fs = 24,000 psi n = 25.8	f'm = 2000 psi fb = 660 psi fs = 24,000 psi n = 19.3
			f'm = 2500 psi fb = 830 psi fs = 24,000 psi n = 15.5



SECTION A-A



SECTION B-B

- NOTES:
- For type of block and joint finish, see other sheets
  - When blocks are laid in stacked bond, ladder type, galvanized joint reinforcement shall be provided. A minimum of 2 - 9 gauge wires continuous at 4'-0" maximum to be used. Locate reinforcement in joints that are at the approximate midpoint between bond beams
  - Horizontal joints shall be tooled concave or may be weathered  
Vertical joints shall be tooled concave or may be raked
  - For intermediate wall heights that are between the "H's" given, use the tabular information for the next higher "H"
  - See STANDARD PLANS B15-9 for other details

NO SCALE

X

MASONRY BLOCK SOUND WALL ON RETAINING WALL

DETAILS NO. 1

STANDARD DRAWING

FILE NO. **xs15-120-1**

APPROVAL DATE July 2011

STATE OF  
**CALIFORNIA**  
DEPARTMENT OF TRANSPORTATION

DIVISION OF  
**ENGINEERING SERVICES**

BRIDGE NO.  
X

POST MILE  
X

UNIT: X  
PROJECT NUMBER & PHASE: X

CONTRACT NO.: X

DISREGARD PRINTS BEARING  
EARLIER REVISION DATES

REVISION DATES				SHEET	OF
				X	X